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Wen-hui Pao.

PHYSICS PROFESSOR DISCUSSES A-BOMBS, PREDICTS USSR WILL MAKE H-BOMB, TOO

Professor Chao Chung-yao, an atomic physicist who recently returned to China from the US, states that the American people are being mislead about Asiatic affairs through newspaper propaganda, and that progressive elements are being oppressed. He states that the A-bomb is not a decisive weapon and that when the H-bomb is produced by the US, the Soviet Union will also be able to produce it.

In an interview with a correspondent of the Hong Kong Wen-hui Pao, Professor Chao Chung-yao (1) /number refers to appended characters/ said he had had few contacts in the US outside of Americans in scientific circles.

"Generally speaking," he said, "the men working in science manifested friendly sentiments toward the people of China. The people at large also hope to live in peaceful relations with China, but they have only a superficial understanding of Asiatic political questions. Hence, when the war broke out in Korea, many of them felt the US was placed in a very critical position, and was really fighting for the UN.

"They have been taken in by the poison of newspaper propaganda, their vision has been obscured, and their emotions strained. This is accounted for by the fact that the news in US papers is all controlled by a few big capitalists who fabricate reports and spread lies and rumors at will. But the US capitalists' propaganda cannot continue to obscure the minds of the American people. They now see clearly the great victory of the people of China, who in a short time, drove Chiang and his bandit gang off the mainland, and they begin to appreciate the immense unmatched power of the Chinese people. The glorious achievements of the Chinese volunteers in Korea have made the US imperialistic rulers realize as never before that the Chinese people are not to be insulted or ridiculed."

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Speaking of the persecution of progressive elements by the authorities, he said that some 20 instructors at the University of California had been dismissed from their positions, but that some professors of rightist inclinations had indicated their opposition to the act of dismissal. Even the great world authority in physics, Einstein, because of his advocacy of peace, had been warned sic.

"The American people," Chao said, "have a superstitious belief in the atomic bomb. They have exaggerated its importance; and after they learned that the Soviet Union also had the A-bomb, they were inordinately frightened. Of course, A-bombs have a more powerful destructive force than any other weapon, but they are by no means the main decisive factor in determining victory or defeat. They cannot have very great value or usefulness against a country of vast area whose industries are widely scattered. But the A-bomb does constitute a great threat to the US because its industry is concentrated in New York, Chicago, and a few other large cities."

Concerning the question of the H-bomb, Professor Chao went on to say, "The production of H-bombs as theoretically possible; but when the US has the H-bomb, the Soviet Union will also know how to produce it. It is only a matter of the proper industrial facilities and of certain levels of scientific knowledge. The action of an A-bomb consists of splitting the heaviest atoms, uranium and certain other elements, into medium heavy atoms, and this produces atomic energy. In H-bombs, the lightest atoms will be caused to combine into heavier atoms with the release of atomic energy. The heat radiated by the sun is produced by this process. The production of atomic energy by fission, or by combination, is theoretically and experimentally possible; but to cause a large quantity of hydrogen atoms to combine is, at present, still comparatively difficult."

CHARACTERS

1. 趙忠朝

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